

Date: Tue, 30 Nov 93 04:30:22 PST  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V93 #117  
To: Ham-Equip

Ham-Equip Digest                      Tue, 30 Nov 93                      Volume 93 : Issue    117

Today's Topics:

   Alinco  
   Help identify burnt out Yeasu 736R part.  
   Help on config TR751 2m all mode  
   IC-27A hum  
   Info on HTX-404 needed!  
   kenwood TS450S software  
   need modif.for ICOM IC-229h VHF trcvr  
   Need schematic/manual for Icom IC-22A  
   PK-88 vs KPC-3 vs DPK-2 - Comments? (2 msgs)  
   Standard HT opinions? (C228A)  
   The new Yaesu 11 and 41 HTs

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Wed, 24 Nov 1993 23:57:00 GMT  
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!spool.mu.edu!bloom-  
beacon.mit.edu!news.kei.com!ub!acsu.buffalo.edu!ubvms.cc.buffalo.edu!  
opnpaul@network.ucsd.edu  
Subject: Alinco  
To: ham-equip@ucsd.edu

Does anybody have any information on the Alinco HT ( I believe  
the model is DJ160 or Dj180).

Thanks in advance.

Paul Francavilla  
(N2SUI)

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Date: 23 Nov 93 20:51:41 GMT  
From: amd!amdahl!JUTS!navy-grog!rab10@decwrl.dec.com  
Subject: Help identify burnt out Yeasu 736R part.  
To: ham-equip@ucsd.edu

A transistor in my FT736R power supply literally burned up. The set of schematics for the FT736R does not include an schematic for the power supply so I cannot identify the part. I don't have a service manual, which I assume may have a schematic. Therefore, I was wondering if anyone who has such a diagram could help me identify the part. On the power supply printed circuit board the transistor is marked as Q3. It's emitter is connected to a diode and its base is connected to two 33 ohm resistors. Unfortunately, I left my notes about this at home, but I believe the diode is marked as D8 and the two resistors are marked R16 and R17 (or R17 and R18). Anyway, I believe this information should help pinpoint the transistor on a schematic.

There is probably some other bad component on the board (one that caused the transistor to go out) but I will deal with that problem.

Thanks,

Dick. W6TYI.

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Date: Mon, 29 Nov 1993 17:00:27 GMT  
From: qualcomm.com!vixen.cso.uiuc.edu!howland.reston.ans.net!pipex!uknet!EU.net!news.inesc.pt!animal.inescn.pt!bart!avale@network.ucsd.edu  
Subject: Help on config TR751 2m all mode  
To: ham-equip@ucsd.edu

Hello,

I have one Kenwood TR751E (European Version) all mode 2m, and I need use the tone encoder TU-7 that I already have. In the schematic and technical manual do not refer what to do with the config. diodes D3,D4,D5,D6 and D7 on the Control Unit. What are the individual function of each other. The D14 is on the owner manual and is to config. the step, but the others? I only need to inform the unit that he has the TU-7 installed.

If anyone of YOU have this kind of information I will thank you a lot.

73, Antonio (CT1DZY)

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Date: Mon, 29 Nov 1993 15:07:45 GMT  
From: yuma!galen@purdue.edu  
Subject: IC-27A hum  
To: ham-equip@ucsd.edu

In article <HIDEG.93Nov29001108@spsd10b.erim.org> hideg@spsd10b.erim.org ([Steve Hideg]) writes:

>I have an IC-27A (2m mobile) that emits a terrible hum in the transmitted  
>audio. This hum is more prevalent on high power, and in the range of transmit  
>frequencies between 144 and 146MHz. I can also hear this hum on the speaker  
>This is \*NOT\* a 60Hz hum.  
>--Steve Hideg, N8HSC  
> hideg@erim.org

Could your CTCSS/PL level or deviation be set too high? Try changing the tone and see if your hum changes pitch.

I have a 0.01uF and a 25uF caps in parallel across my terminal block in my passenger compartment. I did have a whine in my signal before the caps.

Good Luck,  
Galen, KF0YJ

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Date: 29 Nov 93 11:54:10 GMT  
From: coplex!cstup@uunet.uu.net  
Subject: Info on HTX-404 needed!  
To: ham-equip@ucsd.edu

My HTX-404 (Realistic) is now displaying error messages when powered up.

Since I aquired this unit second hand, I don't have the manual for it.

First, it gave me an ERR 2, and now its doing an ERR 1.

Anyone know what these error codes mean?

Your help would be greatly appricated!

Thanks in advance!

--  
-- Corey Stup

-- Inet: CSTUP@COPLEX.COM  
-- Louisville, Kentucky  
-- 40206-2207

-----  
Date: 29 Nov 93 22:01:37 GMT  
From: att-out!cbnewsh!afy@rutgers.rutgers.edu  
Subject: kenwood TS450S software  
To: ham-equip@ucsd.edu

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Date: 29 Nov 93 11:13:18 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: need modif.for ICOM IC-229h VHF trcvr  
To: ham-equip@ucsd.edu

Dear fellow HAM's! I'd like to get any information about modification (freq. expand) of ICOM IC-229h VHF transciever. 73' and THANX in advance --ANDY-- RW3AH (US call-WL7AP). E-MAIL: rw3ah@emercom.msk.su

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Date: Fri, 26 Nov 1993 22:38:39 GMT  
From: nevada.edu!jim!envoy!jim@uunet.uu.net  
Subject: Need schematic/manual for Icom IC-22A  
To: ham-equip@ucsd.edu

I am trying to get a copy of the schematic and instruction/service manual for the Icom IC-22A. I need to know the stock wiring of the accessory jack on the back of the radio. Thanks.

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Date: Mon, 29 Nov 1993 16:43:59 GMT  
From: das.wang.com!wang!djenkins@uunet.uu.net  
Subject: PK-88 vs KPC-3 vs DPK-2 - Comments?  
To: ham-equip@ucsd.edu

The BayPac (BayCom) modem was fun, but, it is time to upgrade to a REAL TNC.

Most of my packet operation is in TCP/IP but some is still AX-25. All of it is in VHF/UHF (HF privs yes, radios no). The option of operating "portable" is attractive for coolness and/or emergencies, but, is not essential.

I am trying to decide between asking for a PK-88, KPC-3 or DPK-2. Some of the relative merits that I know of include:

PK-88:	Y	Y	N	Y	?	?	\$139.95
KPC-3:	L	1	Y	Y	Y	Y	\$119.95
DPK-2:	L	Y	N	Y	2	3	\$109.95
	^	^	^	^	^	^	^
							+----- HRO Price
							+----- Open squelch operation
							+----- TNC-2 Compatible
							+----- PBBS
							+----- WEFAX
							+----- Kiss Mode
							+----- 12 Operation (L = Low power consumption)

- 1) The guy at HRO said it does KISS Mode but it didn't say in the catalog.
- 2) "100% firmware compatability with TAPR TNC-2"  
" \* TNC-2 Compatible \* Runs all TNC-2proms"
- 3) \$31.95 optional board

Oddly enough, the guy from HRO didn't talk up the DPK-2 at all. He said the other two would work fine but that if I wanted to do HF packet some day then I should not get the KPC-3.

Any comments/suggestions/recommendations/opinions are welcome/appreciated.

--  
David E. Jenkins                      Home: (508) 632-4164                      Wang Labs, Inc.  
52 Norman Street                      Work: (508) 967-7284                      M/S 014-690  
Gardner, MA 01440-1916                      Fax: (508) 967-2212                      1 Industrial Ave.  
Packet: n1mxv@wa1phy.ma                      e-mail: djenkins@wang.com                      Lowell, MA 01851

-----  
Date: 29 Nov 1993 19:05:52 GMT  
From: juniper.almaden.ibm.com!enge.almaden.ibm.com!enge@uunet.uu.net  
Subject: PK-88 vs KPC-3 vs DPK-2 - Comments?  
To: ham-equip@ucsd.edu

In article <CH9IHD.HBG@wang.com>, Dave Jenkins <djenkins@wang.com> wrote:  
>

>KPC-3: L 1 Y Y Y Y                      \$119.95

```
>      ^  ^  ^  ^  ^  ^      ^
>      |  +----- Kiss Mode
>
```

>1) The guy at HRO said it does KISS Mode but it didn't say in the catalog.

KPC-3 does do KISS. Mine is running with the G8BPQ code right now.

Roy Engehausen, AA4RE  
enge@almaden.ibm.com

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Date: 29 Nov 1993 19:59:22 GMT  
From: qualcomm.com!vixen.cso.uiuc.edu!uwm.edu!wupost!howland.reston.ans.net!  
europa.eng.gtefsd.com!library.ucla.edu!nntp.ucsb.edu!mcl!uznerk@network.ucsd.edu  
Subject: Standard HT opinions? (C228A)  
To: ham-equip@ucsd.edu

Howdy..

I'm in the market for a dual band HT (possibly) and I'm most interested in getting one that's 2m/220. The only one I've seen so far is the Standard C228A. Does anyone have any recommendations on Standard radio equipment? They seem to be pricier than the usual Alinco and Yaesu group, so is there a reason for this?

Thanks..

--  
Andrew Krenz KE6BIP | uznerk@mcl.ucsb.edu | krenz@engrhub.ucsb.edu

-----  
Date: 29 Nov 93 06:49:04 GMT  
From: panix!not-for-mail@uunet.uu.net  
Subject: The new Yaesu 11 and 41 HTs  
To: ham-equip@ucsd.edu

I have seen ads in the last two QSTs for new Yaesu handhelds, each said to be the smallest HT with a full keyboard. The 11 is a 2-meter rig, the 41 is a 70-cm rig.

Has anybody actually tried them out? Are there any "gotchas", like missing features or capabilities that people have noticed?

--

Carl Oppedahl AA2KW  
Oppedahl & Larson (patent lawyers)  
Yorktown Heights, NY  
voice 212-777-1330

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Date: Mon, 29 Nov 1993 16:35:02 GMT  
From: swrinde!cs.utexas.edu!howland.reston.ans.net!darwin.sura.net!  
fconvx.ncifcrf.gov!fcs260c!mack@network.ucsd.edu  
To: ham-equip@ucsd.edu

References <1993Nov23.185148.12424@news.uiowa.edu>,  
<1993Nov28.040110.14821@gsm001.mendelson.com>,  
<Nov28.164848.8976@yuma.ACNS.ColoState.EDU>  
Subject : Re: SSB VHF/UHF portable equipment info needed??

In article <Nov28.164848.8976@yuma.ACNS.ColoState.EDU>  
galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:  
>In article <1993Nov28.040110.14821@gsm001.mendelson.com>  
gsmlrn@gsm001.mendelson.com (Geoffrey S. Mendelson) writes:  
>>In article <1993Nov23.185148.12424@news.uiowa.edu>  
>> mau@herky.cs.uiowa.edu (Napoleon Mau) writes:  
>>>I am looking for info on SSB VHF/UHF equipment that can be used  
>>>for portable operation.  
>>  
>>Although in the past several companies made ht's and ht like units that had  
>>fm and ssb, as far as I know the only current production models are the  
>>Yaesu "mark II" series. There is one for 2m (the 290r mark II) one for 430/440  
>>and one for 6 meters.  
>>Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com  
>  
>j-com carries the Mizuho SSB/CW HT's, models from 80 to 6m (no 10 or 12m  
>versions on my list). Output is 2 watts.  
>j-com 408-335-9120  
>Box 194  
>Ben Lomond, CA 95005  
>  
>Also, Tokyo Hi-Power Has a 40/15/6m HT, covers all of 40 and 15m and 50.0-  
>50.5 on 6m, 3/3/2 watts out, CW and SSB.  
>from:  
>Orion Business International 209-432-4155  
>360 W. Bedford Ave, Ste 111  
>Fresno, CA 93711  
>  
>Galen, KF0YJ  
>

About Tokyo Hi Power, I've called Orion and they don't have manuals and say that Tokyo doesn't deal with the US anymore. I can't get info about my Tokyo stuff anywhere.

Joe NA3T

mack@ncifcrf.gov

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Date: Tue, 23 Nov 1993 22:00:21 GMT  
From: telesoft!garym@uunet.uu.net  
To: ham-equip@ucsd.edu

References <2cq3t\$988@nntpd.lkg.dec.com>, <CGwq6n.JBo@alsys.com>,  
<931122.81078.LMARRIN@delphi.com>  
Subject : Re: Problems with Kenwood TM-742A

In <931122.81078.LMARRIN@delphi.com> LMARRIN@delphi.com writes:  
>I've found that if I turn the radio off, press the VFO button  
>and then turn it on while holding the VFO button, the CPU problem is fixed!  
>The memories do NOT erase.  
>Yes, the 742 is a considerably more complex radio, but it's worth a try.

I tried this, I also tried the reset given in the manual, and also tried each button separately during power on, none of them unlocked the radio.

I found out later from Al (legerlotz@smaug.enet.dec.com) that you can get it out of this locked up state by removing the TSU-7 or disassembling the radio.

--GaryM

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Date: 29 Nov 1993 16:49:17 GMT  
From: tymix.Tymnet.COM!drawson@uunet.uu.net  
To: ham-equip@ucsd.edu

References <2cjdqg\$6vd@tymix.Tymnet.COM>, <CGwsFq.LHq@bigtop.dr.att.com>,  
<931126.39454.PEITZER@delphi.com>  
Subject : Re: Kenwood 940 PLL Unlock problem

I fixed it over the week end, I think! Resistor R100 on the PLL board was making intermittent contact on the end closest to the circuit board. (R100 stands on end.) I was able to clip the other lead and solder a replacement resistor on the component side without exposing the solder side of the board. (It would have been tedious to get to the solder side of the board.)



I was INTENDING only to tweak up the three coils (L22, L23, and L24, I think) that Kenwood specifies in Service Bulletin 900. I put a 'scope on test point TP4, and tried to peak those coils. There were already nearly right on. But the trace jittered. I let things sit that way, with the scope still connected, and eventually the PLL unlocked. Without mentioning all the things I checked, and lines traced in the schematic, that didn't pan out ... eventually I reduced the scope's gain and switched to DC coupling. When the PLL unlocked, the trace went to zero volts DC, as well as showing no RF signal. Even LATER (!) I noticed that by nudging the bottom of R100 very softly with the the nylon alignment tool I could cause the PLL to cut in and out.

It turns out that test point TP4, on the bare lead of R95, connects to R100, which connects to the DC supply voltage to the stage. When the R100 connection opens, TP4 (and the stage) is disconnected from the DC supply.

I did not determine whether the intermittent connection was inside the resistor or between the resistor's lead and the solder trace. I couldn't simply pull the resistor off the board (or pull it apart) once I clipped the top lead. And there was not enough mechanical play for me to notice any sound or feeling when I jiggled the resistor. But I doubt that the fault is specific to the PLL circuit at R100 -- it probably could have happened anywhere in the radio.

I'm glad it happend right where Service Bulleting 900 happened to direct my attention (and scope probe).

73,  
Dick

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End of Ham-Equip Digest V93 #117

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